

**AMERICAN COMMUNITY SURVEY
2020 ACS 1-YEAR PUMS FILES**

Variable Changes and Explanations

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I. PURPOSE OF THIS DOCUMENT

This document provides changes to the Public Use Microdata Sample (PUMS) variables. In addition, a brief explanation of the change is also given. This document was previously part of the PUMS ReadMe document.

II. CHANGES TO PUMS VARIABLES FOR THE 2020 PUMS 1-YEAR FILES

The 1-year PUMS files include most of the variables that were included last year. There were some changes to the variables, which are noted below.

See the 2020 1-year PUMS Data Dictionary for a complete listing of the variables and values contained in the 2020 1-year PUMS data file. The PUMS Data Dictionaries may be found at: <https://www.census.gov/programs-surveys/acs/data/experimental-data.html>.

Data users may wish to reuse a program written using previous year's PUMS codes. The PUMS Data Dictionary for the current year and previous year(s) may be used to find changes to the values for a specific variable.

Note that most variables with minor cosmetic changes (such as removing a comma in a variable's label) are only listed in the "Variables with minor cosmetic changes to variable labels or value labels" below. They are not mentioned in the table.

Variables added since previous 1-year PUMS: FVACDURP, FVACOTHP, VACDUR, VACOTH.

Variables deleted since previous 1-year PUMS: None.

Variables with name changes since previous 1-year PUMS: ACCESSINET (formerly ACCESS), TYPEHUGQ (formerly TYPE).

Variables with length changes and modified codes since the previous 1-year PUMS: ELEP, GASP, GRNTP

Variables with new or modified codes since the previous 1-year PUMS: ADJINC, ANC, ANC1P, ANC2P, CITWP, MARHD, MARHYP, SEMP, SERIALNO, TAXAMT, YBL, YOEP.

Weight and Replicate Weight Variables Using Experimental Weights: PWGTP, PWGTP1-PWGTP80, WGTP, WGTP1-WGTP80

Variables with minor cosmetic changes to variable labels or value labels: ADJHSG, CIT, CONP, CPLT, ESP, FCONP, FELEP, FGASP, FINCP, FWATP, HINCP, INDP, JWTRNS, MULTG, NAICSP, NOC, OCCP, POVIP, POWPUMA, RAC2P, RAC3P, SMP, SOCP, YOEP.

Detailed Changes by Variable (as compared to 2019 ACS 1-year PUMS Data Dictionary)

Variable	Description of Change
	<i>New Variables</i>
FVACDURP	New Allocation variable for VACDUR
FVACOTHP	New Allocation variable for VACOTH
VACDUR	New Vacancy Duration variable
VACOTH	New Other Vacancy Status variable
	<i>Weight Variables Using Experimental Weights</i>
PWGTP	Person Weight did not change name but uses Experimental Weights for 2020 PUMS 1-year
PWGTP1-PWGTP80	Person Replicate Weights did not change name but uses Experimental Weights for 2020 PUMS 1-year
WGTP	Housing Weight did not change name but uses Experimental Weights for 2020 PUMS 1-year
WGTP1-WGTP80	Housing Replicate Weights did not change name but uses Experimental Weights for 2020 PUMS 1-year
	<i>Variable with Name Change</i>
ACCESSINET	Previous Name: ACCESS
TYPEHUGQ	Previous Name: TYPE
	<i>Variables with Length Change and Modified Codes</i>
ELEP	Length changed from 3 to 4 and highest value increased to 9,999
GASP	Length changed from 3 to 4 and highest value increased to 9,999
GRNTP	Length changed from 4 to 5 and highest value increased to 99,999
	<i>Variables with Annual Code Updates</i>
ADJINC	Annual update of Inflation Factor
SERIALNO	First four digits of Housing unit/GQ person serial number updated to current year (2020)
YBL	Current year (2020) added
	<i>Variables with Annual Code Updates and Code Changes</i>
MARHYP	1942 and earlier years collapsed into a single category and current year (2020) added
YOEP	Early year of entry categories collapsed (“1934 or earlier (Bottom-coded)”, and “1939 – 1942”) and current year (2020) added
	<i>Variables with Code Changes</i>
ANC	Removed ANC = 8 (“Suppressed for data year 2018 for select PUMAs”)
ANC1P	Removed ANC1P = 000 (“Suppressed for data year 2018 for select PUMAs”)
ANC2P	Removed ANC2P = 000 (“Suppressed for data year 2018 for select PUMAs”)
ESP	Correction of formatting issues stemming from historic formatting
MARHD	Removed MARHD = 8 (“Suppressed for data year 2018 for select PUMAs”)

Variable	Description of Change
SEMP	Lowest value changed from \$1 to \$4 to reflect actual lowest value in PUMS files
TAXAMT	Highest upper category raised to \$57,500
TEL	Removed TEL = 8 (“Suppressed for data year 2019 for select PUMAs”)

In 2017, there was a need to collapse the categories of certain variables due to data disclosure requirements. In 2018, the variables for Industry and Occupation were also updated. The list of collapsed variables are:

- ANC1P
- ANC2P
- CITWP
- HHLANP
- INDP
- LANP
- MARHYP
- MIGSP
- NAICSP
- OCCP
- POBP
- RAC2P
- RAC3P
- SOCP
- YOEP

III. EXPLANATION OF VARIABLE CHANGES

This section is for additional information on changes that occurred to the PUMS Variables.

A. Note on New Vacancy variables (FVACDURP, FVACOTHP, VACDUR, VACOTH)

Additional variables related to vacant housing units were added to the PUMS files. Vacancy Duration (VACDUR) and the allocation flag variable, FVACDURP, provide information on how long a housing unit has been vacant. Other Vacancy Status (VACOTH) and its accompanying allocation flag variable, FVACOTHP, provides additional detail on the VACS = “7” (“Other Vacant”) category.

B. Note on Experimental Weights and Replicate Weights (PWGTP, PWGTP1-PWGTP80, WGTP, WGTP1-WGTP80)

Due to the pandemic and the unique data collection issues, the 2020 PUMS 1-year files use experimental weights and replicate weights. More information may be found on the ACS Experimental Data webpage, located at: <https://www.census.gov/programs-surveys/acs/data/experimental-data.html>. The names of the weight and replicate weight variables did not change.

C. Note on Name change for ACCESSINET and TYPEHUGQ

The variable for Access to the Internet changed its name from “ACCESS” to “ACCESSINET”. Similarly, the variable for Type of Unit changed its name from “TYPE” to “TYPEHUGQ”. These changes were due to new requirements for the online MDAT tool (<https://data.census.gov/mdat/>).

D. Note on ELEP, GASP, and GRNTP

The highest values for the variables for Electricity cost (ELEP), Gas cost (GASP), and Gross rent (GRNTP) increased for data year 2020. This necessitated the length of the variable to increase by 1. The highest possible value for ELEP and GASP is now \$9,999. For GRNTP, the highest value is \$99,999.

E. Note on Regular Updates for ADJHSG, ADJINC, SERIALNO, and YBL

The adjustment factor for income and earnings dollar amounts (ADJINC) was updated for data year 2020. The adjustment factor for housing dollar amounts (ADJHSG) was not updated. For the 1-year PUMS it is set to 1.000000.

The first four digits of SERIALNO (Housing unit/GQ person serial number) represent the 4-digit year. Therefore, the first four digits were changed to 2020.

The variable YBL (When structure first built) had the year 2020 added as a category.

F. Note on MARHYP and YOEP

The category for 2020 was added to the variable for Year last married (MARHYP) and Year of entry (YOEP).

In addition, due to disclosure rules, MARHYP and YOEP collapsed early years.

MARHYP collapsed 1942 and earlier into a single category. YOEP collapsed 1934 and earlier into a single category and combined the years 1939-1942 into a single category.

G. Note on Removing Suppressed Category for ANC, ANC1P, ANC2P, MARHD, and TEL

Select variables were suppressed in previous years but not for data year 2020. Therefore, the code for suppressed data was removed. For Ancestry Recode (ANC), Divorced in the past 12 months (MARHD), and Telephone service (TEL) the value removed was 8. For ANC1P (Recoded Detailed Ancestry - first entry) and ANC2P (Recoded Detailed Ancestry - second entry), the value was 000.

H. Note on ESP

The description of the categories for Employment Status of Parents (ESP) variable was corrected to address an issue stemming from retention of older formatting.

I. Note on SEMP

The lowest positive value for Self-employment income (SEMP) was changed in the Data Dictionary from \$1 to \$4 to properly reflect the actual values in the PUMS files.

J. Note on TAXAMT

The highest value for Property taxes (TAXAMT) was increased from \$22,500 to \$57,500.